

## METHOD AND ASSEMBLY FOR COOLING A MOVING METAL STRIP

In the name of:

USINOR

### ABSTRACT

In order to cool a metal strip (2) which moves in a continuous manner:

- the strip (2) is pressed onto a main cooling roller (10) so that the strip forms an arc whose inner face delimits, with the outer face of this roller, a contact zone which is suitable for discharging part of the heat of the strip towards the inner side of the roller,
- the strip (2) is held in contact with the main cooling roller (10) by means of a support roller (14) on the outer face of the strip, which roller is constituted by a resiliently deformable and thermo-capacitive material, and
- the heat transmitted from the strip (2) to the support roller (14) is discharged using secondary cooling means (16).

Figure 1